



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/671,799

09/29/2003

Tien-Wan Hwang

9910

7590

04/21/2006

Tien-Wang HWANG
P.O. Box No. 6-57
Junghe, Taipei, 235
TAIWAN

EXAMINER

BRADEN, SHAWN M

ART UNIT

PAPER NUMBER

3727

DATE MAILED: 04/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/671,799	Applicant(s) HWANG, TIEN-WAN	
	Examiner Shawn M. Braden	Art Unit 3727	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1,3,4,7-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Heberling (USPN 4,840,286).

With respect to claim 1, Heberling shows two corresponding upper (14) and lower (12) housings, to which the fastening structure is applied, comprising characteristics that, the fastening structure is disposed at peripheries of the upper (14) and lower (12) housings, and has corresponding fastening tenons (48) and fastening slots (50), thereby assembling and securing the upper and lower housings by means of wedging.

With respect to claim 3, Heberling shows the fastening tenons (48) are disposed at the periphery of the lower (12) housing, and the fastening slots (50) are disposed at the periphery of the upper (14) housing.

With respect to claim 4, Heberling shows the lower housing (12) has vertical outer covering walls (38) at the periphery thereof, and the upper housing has inner stopping walls (28) at the periphery thereof, wherein the inner stopping walls (28) are joined at inner sides of the outer covering walls (38) (fig. 1).

Art Unit: 3727

With respect to claim 7, Herberling shows the outer covering walls (38) are provided with fastening tenons (48), and the inner stopping walls (28) are formed with corresponding fastening slots (50).

With respect to claim 8, Herberling shows each fastening tenon (48) has an inclined plane (60) at a lower surface thereof and a prop plane (52) at an upper portion thereof (fig. 5).

With respect to claim 9, Herberling shows outer covering walls (28) formed at a periphery of a lower (14) housing, inner stopping walls (38) formed at a periphery of an upper (12) housing, and joined at inner sides of the outer covering walls (28); fastening slots (50) disposed at the outer covering walls (28) in a penetrated manner; and fastening tenons (48) formed at outer sides of the inner stopping walls (38) in a projecting manner, and having positions corresponding to those of the fastening slots (50).

With respect to claim 10, Herberling shows each fastening tenon (48) has an inclined plane (60) at a lower surface thereof and a prop plane (52) at an upper portion thereof.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 3727

4. Claims 2,5,6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heberling (USPN 4,840,286) .

With respect to claim 2, Herberling does not show the fastening tenons are disposed at the periphery of the upper housing, and the fastening slots are disposed at the periphery of the lower housing.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the tenons of Herberling at the periphery of the upper housing and the slots at the lower housing.

It has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167.

5. With respect to claims 5&6, Herberling does not show the inner stopping walls are formed with corresponding fastening the outer covering walls are provided with fastening slots, tenons. Or. each fastening tenon has an inclined plane at a lower surface thereof and a prop plane at an upper portion thereof.

6. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the inner stopping walls are formed with corresponding fastening the outer covering walls are provided with fastening slots, tenons and each fastening tenon has an inclined plane at a lower surface thereof and a prop plane at an upper portion thereof.

It has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167.


Art Unit: 3727

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawn M. Braden whose telephone number is (571)272-8026. The examiner can normally be reached on Mon-Thurs 8-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Newhouse can be reached on 571 272-4544. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


JES F. PASCUA
PRIMARY EXAMINER

smb